New Application: Yoichi USHIDA
Filed: March 31, 2004
7 sheets of drawings FIGS.1-6
RABIN & BERDO, P.C.
Atty Docket: OKI 418
Customer NO.: 23995



# Fig.1

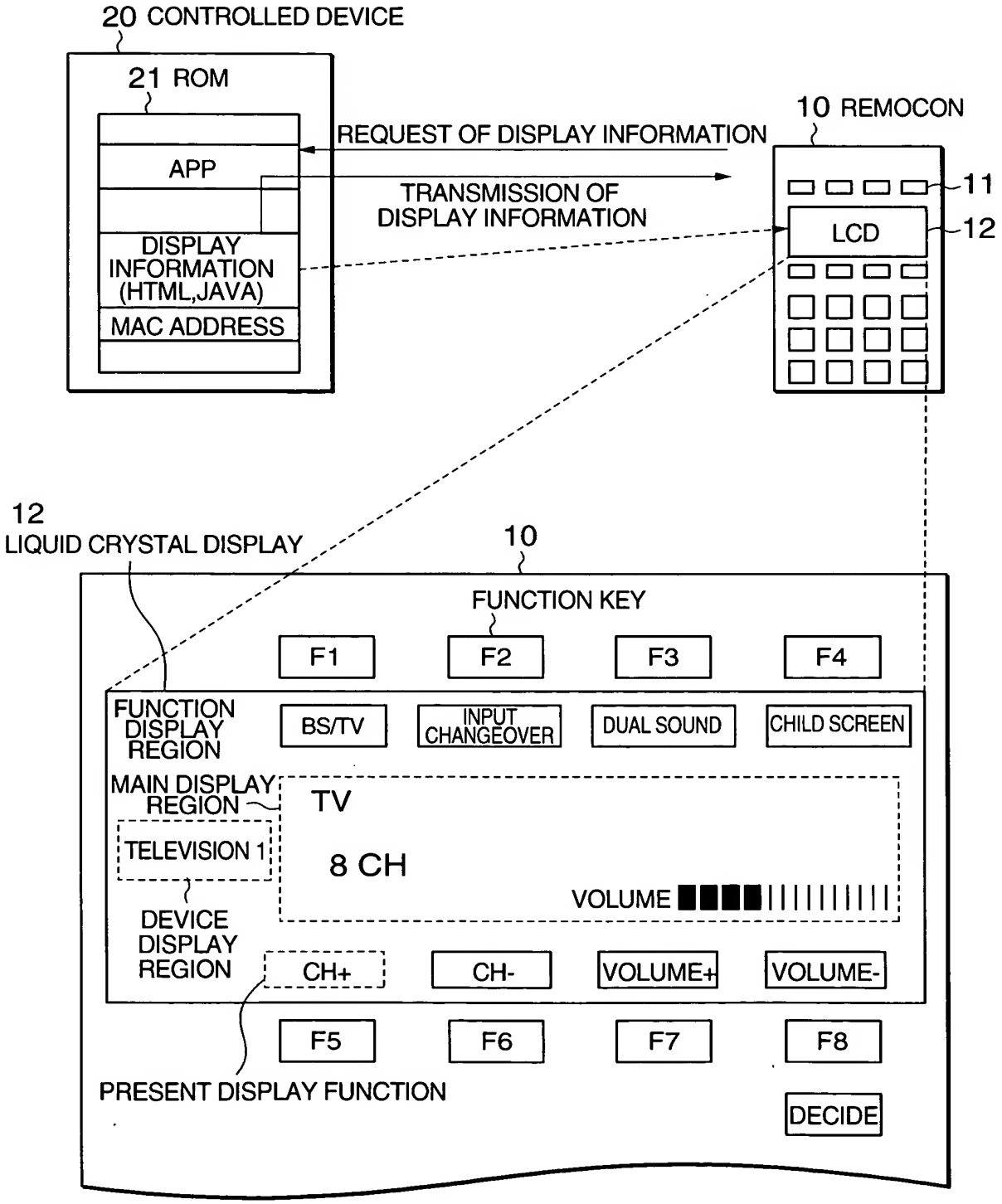
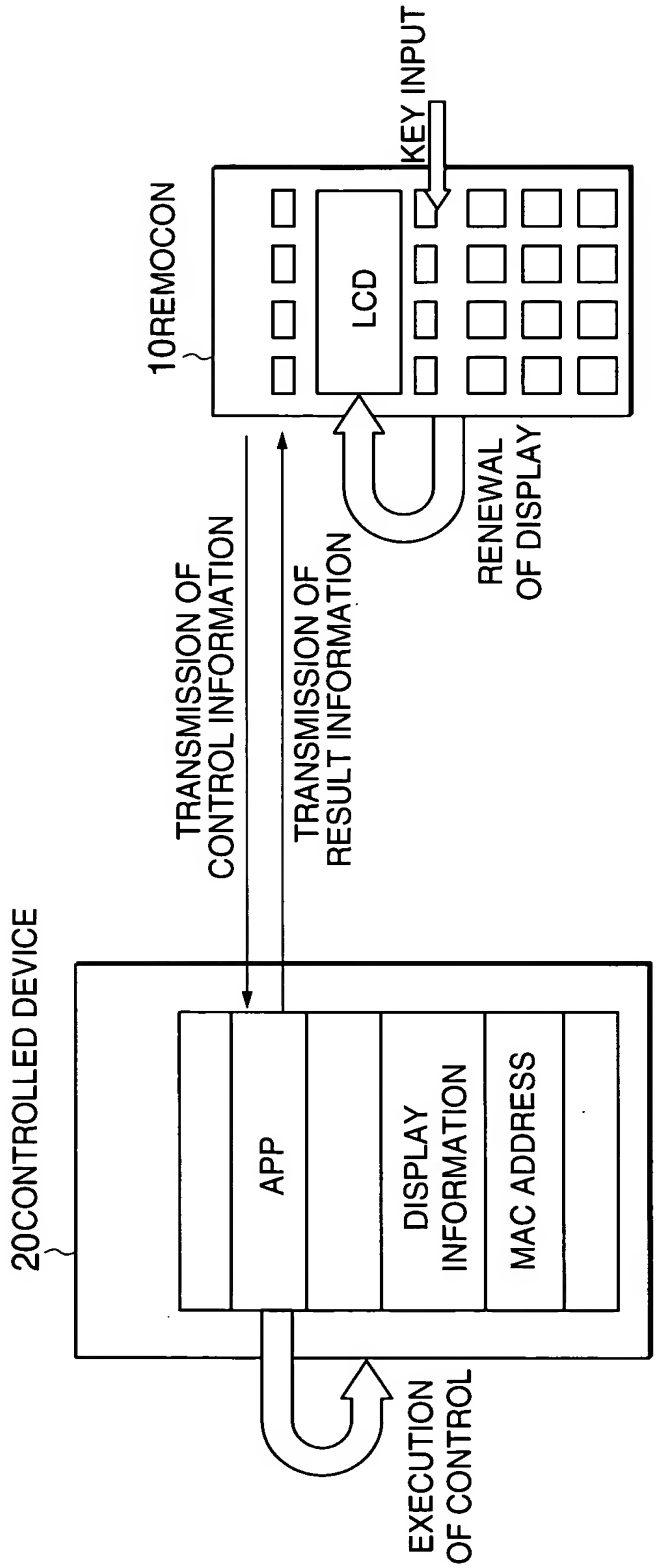


Fig.2


KEY INPUT
10REMOCON
LCD
RENEWAL OF DISPLAY
TRANSMISSION OF CONTROL INFORMATION
TRANSMISSION OF RESULT INFORMATION
20CONTROLLED DEVICE
APP
DISPLAY INFORMATION
MAC ADDRESS
EXECUTION OF CONTROL

# Fig.3

| FUNCTION KEY | DEVICE A (TELEVISION) | DEVICE B (REFRIGERATOR) |
|---|---|---|
| F1 | BS/TV CHANGEOVER | REFRIGERATOR/ FREEZER CHANGEOVER |
| F2 | INPUT CHANGEOVER | ILLUMINATION INSIDE |
| F3 | DUAL SOUND | VENTILATION |
| F4 | CHILD SCREEN DISPLAY | LOW-NOISE MODE |
| F5 | CH+ | TEMPERATURE+ |
| F6 | CH- | TEMPERATURE- |
| F7 | VOLUME+ | HUMIDITY+ |
| F8 | VOLUME- | HUMIDITY- |

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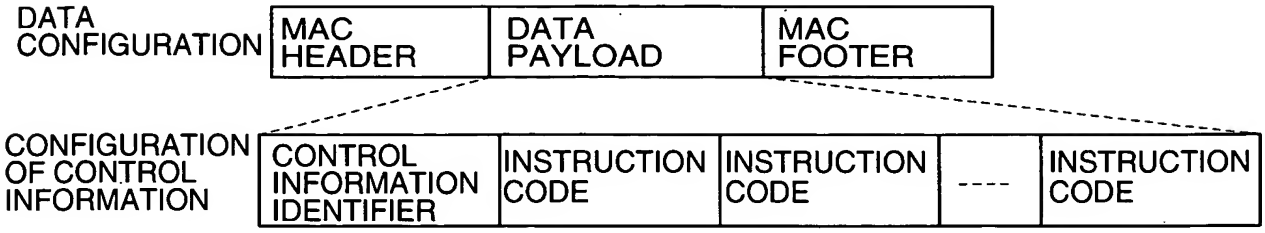
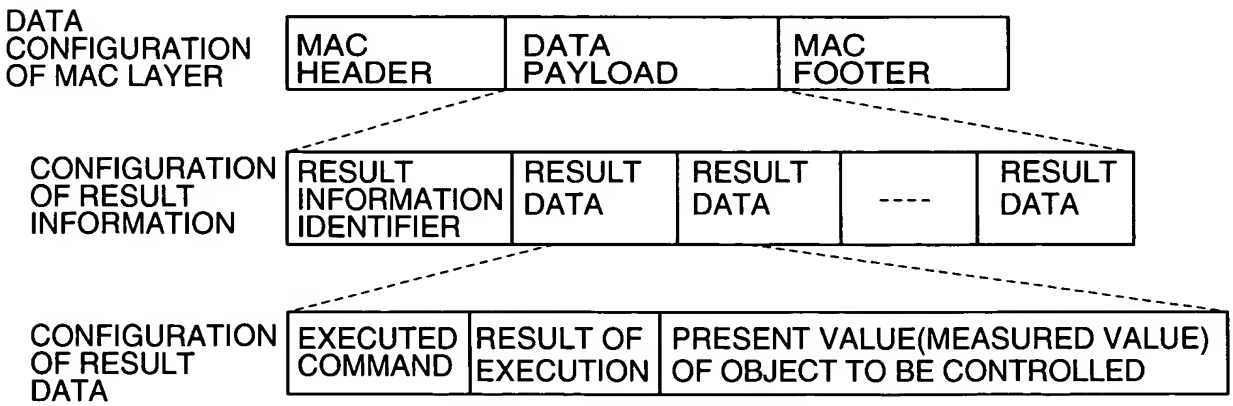
# Fig.4(A)




| CONTROL CONTENTS | INSTRUCTION CODE | PARAMETER |
|---|---|---|
| NOP | 0x00 | — |
| Fn KEY DEPRESSED | 0xn0 | — |
| Fn KEY UNDEPRESSED | 0xn1 | — |
| Fn KEY BEING DEPRESSED | 0xn2 | 0xpp |
| Fm KEY DEPRESSED AFTER Fn KEY | 0xn3 | 0x0m |
| Fm KEY UNDEPRESSED AFTER Fn KEY | 0xn4 | 0x0m |
| ⋮ | ⋮ | ⋮ |
| DISPLAY INFORMATION REQUEST COMMAND | 0x0e | — |
| DEVICE LIST INFORMATION REQUEST COMMAND | 0x0f | — |

CONTROL INFORMATION

# Fig.4(B)




RESULT INFORMATION

New Application: Yoichi USHIDA
Filed: March 31, 2004
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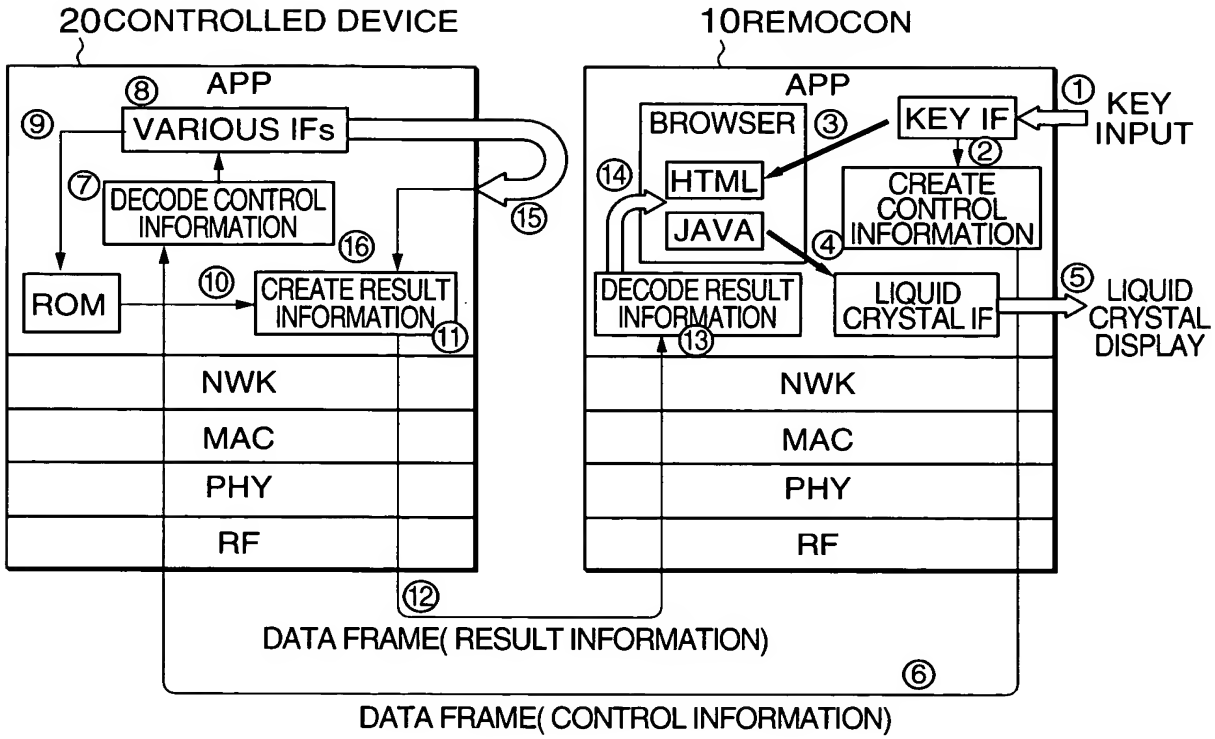
Atty Docket: OKI 418
Customer NO.: 23995



Fig.5(A)




PROTOCOL STACKS AND SOFTWARE STRUCTURES

New Application: Yoichi USHIDA
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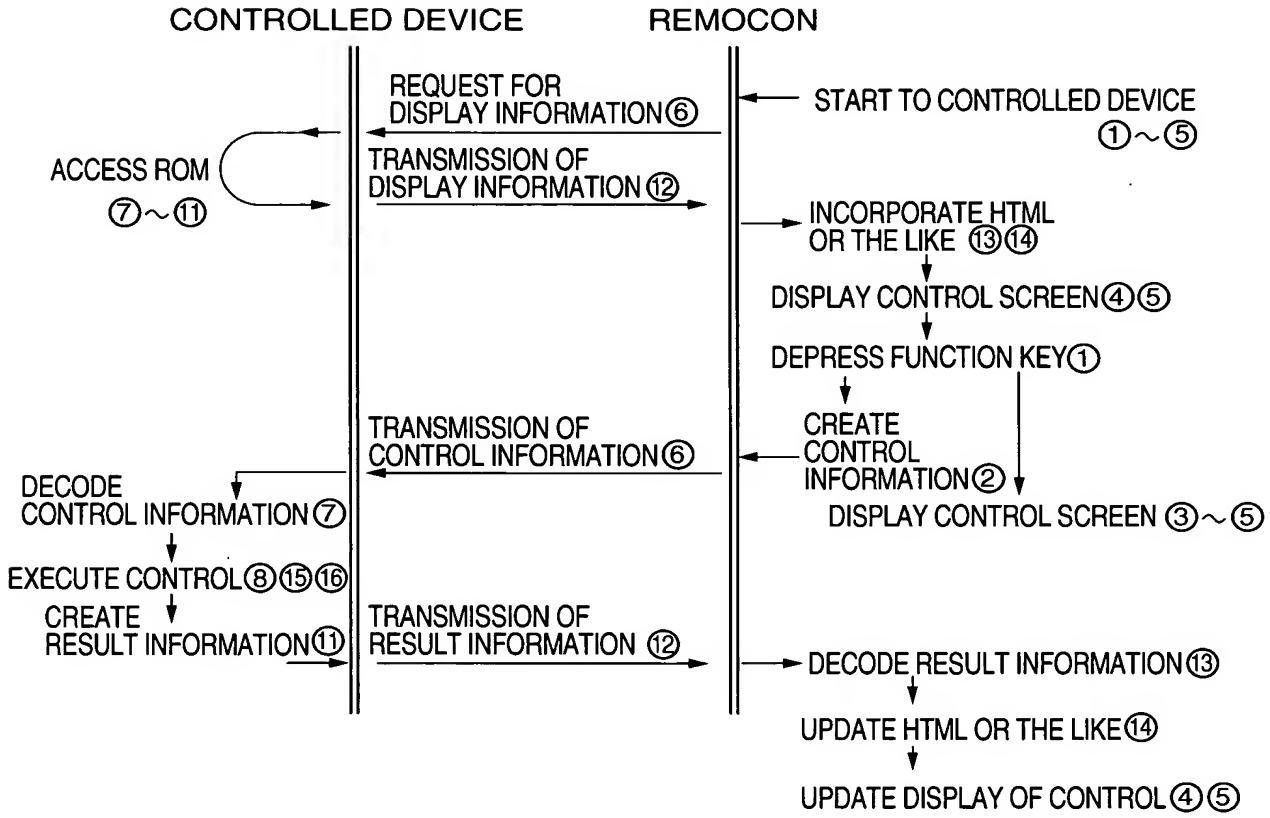
Atty Docket: OKI 418
Customer NO.: 23995



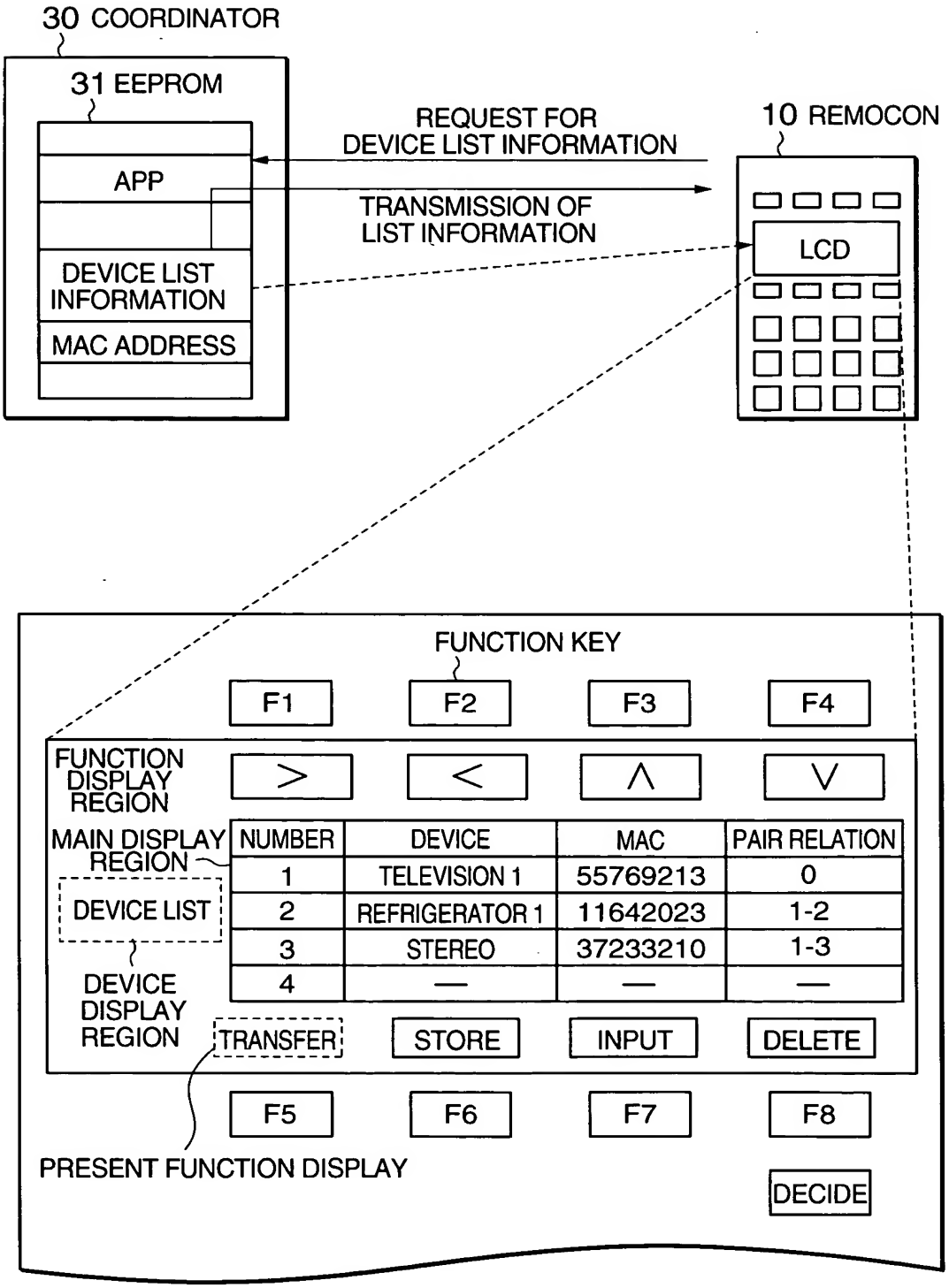
3ED0076

# Fig.5(B)




OPERATION SEQUENCES

# Fig.6


30 COORDINATOR
31 EEPROM
APP
DEVICE LIST INFORMATION
MAC ADDRESS
REQUEST FOR DEVICE LIST INFORMATION
TRANSMISSION OF LIST INFORMATION
10 REMOCON
LCD
FUNCTION KEY
F1
F2
F3
F4
FUNCTION DISPLAY REGION
>
<
∧
∨
MAIN DISPLAY REGION
DEVICE LIST
DEVICE DISPLAY REGION
NUMBER
DEVICE
MAC
PAIR RELATION
1
TELEVISION 1
55769213
0
2
REFRIGERATOR 1
11642023
1-2
3
STEREO
37233210
1-3
4
—
—
—
TRANSFER
STORE
INPUT
DELETE
F5
F6
F7
F8
PRESENT FUNCTION DISPLAY
DECIDE